

SWRCB FORM 200 APPENDIX
(SUPPLY ALL INFORMATION WHICH APPLIES TO YOUR PROJECT)

I. Project Description

A. Location

1. Point(s) of discharge - Indicate on a scale map, preferably a USGS quadrangle map, the precise discharge point(s). Include points of application and uses of reclaimed water).
2. Facility/Project location and description - Identify on a scale map:
 - a) Area to be dredged/filled - Submit scale map clearly delineating area of activity.
 - b) For mining operations, describe the following:
 - (1) operation,
 - (2) mineral or commodity being mined and treated,
 - (3) starting date and expected life,
 - (4) if operation will be continuous, seasonal or intermittent,
 - (5) unit processes for mining,
 - (6) chemicals or other additives to be used in process.
 - c) For petroleum refineries, provide the information necessary to calculate the process factor in accordance with current EPA regulation 40 CFR Part 419.
 - d) For reclaimed water use, identify the party (parties, governmental agency, etc.) responsible for the quality of the reclaimed wastewater at the point of reclamation use and identify the source of the reclaimed wastewater.
 - e) For subdivisions, submit subdivision map and vicinity map - Provide preliminary map to scale and of sufficient size to show parcels layout. Provide subdivision name, name and address of record owner, subdivider and person preparing map. Provide vicinity maps showing: location in relationship to land mark features; major road intersections; lot and tract boundaries; elevation contours of not more than 10-foot intervals; areas subject to flooding; and, meadow and marsh areas. If a public entity is required for collection, treatment and disposal of wastes, submit name, address and description of entity powers.
 - f) For animal confinement facilities, indicate number, species, and gender of animals, design of facility and waste containment facilities or measures.
3. Wells, drainage courses, and surface waters - Indicate on maps to scale, all wells, drainage courses, and surface waters within 1,000 feet of the disposal point; location of project and disposal facilities with respect to the community to be served, adjacent habitation; and, other structures.

B. Volume or Flow of Waste Discharge

1. Present volume (cubic yards) or flow (mgd) - Describe flow through existing plant in million gallons per day
2. Design flow or volume - Describe proposed plant design flow in mgd or daily design volume in cubic yards of solid waste site.
3. Variations in flow or volume - List the average daily, maximum daily, maximum expected, frequency of intermittent.
4. Total capacity of solid waste disposal site in cubic yards.

C. Quality of Waste Discharge

1. Provide laboratory analyses of the discharge - Submit analyses of the waste constituents such as, but not limited to, BOD, total and fecal coliform and standard mineral analysis. For purposes of this form, a standard mineral analysis includes analysis of at least the following constituents: calcium, magnesium, hardness, sodium, potassium, alkalinity (including pH), sulfate, chloride, boron, nitrate as nitrate, dissolved solids, and electrical conductivity.
2. Provide chemical analyses of any associated toxic materials or chemicals - where toxic materials or chemicals are, or can be part of, the discharged waste, submit a list of these chemicals and the volumes and concentrations in the waste.
3. Describe physical properties - describe properties such as color, temperature, suspended solids and settleable solids or any other unique characteristics of the waste.
4. Volume and types of material including, but not limited to any heavy metals, COD, and settleable solids. If the project involves dredging or dredge spoil disposal, provide estimate of turbidity. This can be accomplished by: estimating the size and extent of turbidity plume, then estimating the turbidity (in NTU units) at various representative locations in the plume over the vertical and horizontal extent of the plume.

D. Water Supply

1. Source.- Municipal, river, wells, or other.
2. Quality - Provide analyses of heavy metals and turbidity and a standard mineral analysis as described in I.C.I., above.
3. Average quantity - In mgd, determine average daily amount.

E. Other Approvals

Self-explanatory. Public agency includes federal, state, regional and local governmental units and political subdivisions, including any necessary Division of Oil and Gas approval. For each approval, indicate date of issuance or estimated date of issuance. For each report of waste discharge for a waste disposal site (as defined by 2500, Title 23, California Administrative Code) certify that all local agencies with jurisdiction have approved the use of the site, as required by Section 2552, Title 23, California Administrative Code.

F. Contacts

Provide names, addresses, phone numbers and titles of persons responsible for maintaining project and waste treatment facility, including landowners, lessees, agents or operators, and, if project is a mining operation, claim holders.

G. CEQA/NEPA

Provide copy of final EIR/EIS or negative declaration if prepared. If not, state why exempt.

II. Treatment and Disposal

A. Treatment

1. Describe type or processes of treatment and capacity.
2. Experimental projects:
 - a) Describe the results of any tests of the experimental process.
 - b) Identify any similar projects currently in use and provide operating data.
 - c) Provide an evaluation of any similar projects by the responsible regulatory agency.
3. Design details and criteria - Provide information on geologic features and engineering plans for disposing of sewage including, but not limited to, thickness of soil column and its nature, depth to fresh water, permeability of soil, SAR, topographic features and their locations.

B. General Disposal Information

1. Describe method of disposal of treated wastes and other wastes from operation, including drilling muds and dredge spoil, if applicable, and including any storage and transmission facilities.
2. Describe means of disposal for wastes other than those in application.

C. Liquid Waste Discharge to Land Surface (Pond and Spray Disposal)

1. Describe area size - Acreage or square footage.

2. Disposal capacity - Provide volume of containment in mgd. Describe design details including volume, depth, loading rates, and other data necessary to verify the design of the disposal system. Describe measures to be implemented to prevent odors and to remove solids deposited in the ponds. If percolation is intended, describe how the design percolation rates will be maintained, and disposal capacity of the land.
3. Depth to highest groundwater. Specify when the measurement(s) was taken and explain how the measurement is highest expected ground water.
4. Groundwater quality - Provide standard mineral analysis (as described in I.C.I. above) of ground water quality.
5. Soil profile - Nature and description of formation underlying disposal site and their ability to contain or percolate wastes. Include permeability.
6. Annual rainfall and prevailing wind directions provide information on amount of rainfall and distribution through the year. Provide wind rose.
7. Provide - Sufficient data on evaporation, evapotranspiration, precipitation, and percolation to verify the ability of the area designated for spray disposal to dispose of the design discharge.
8. Spray disposal only:
 - a) Describe what public entity will have control over the discharge and be responsible for assurance that all requirements are met.
 - b) Show how all requirements of the State and local departments will be met.
 - c) Provide sufficient information on the soils and groundwater underlying the disposal site so that the effects of percolation can be ascertained. Provide a cropping plan for the disposal area.

D. Subsurface Disposal

1. Provide percolation tests.
2. Disposal design criteria and details

E. Solid Waste Disposal Sites

1. Present volume in cubic yards or solid wastes going to site.
2. Total capacity of solid waste disposal site in cubic yards - Amount of solid waste when total capacity is used.

III. Planning Information

A. Flood Protection

1. Provide information required to assess protection of facility from floods - Submit map showing 10-year and 100-year flood lines. Also, submit plant and facility design proposals to maintain integrity from those size floods, but only if plant or appurtenances are within the flood lines.
2. Describe expected frequency of flooding.

B. Erosion Control

Provide erosion control plan for project, if project involves grading or other disturbance of the soil surface. The plan may include such measures as construction during dry season only, immediate reseeding of disturbed areas, contour plowing in areas of use, and other procedures, to prevent erosion.

C. Surface Water Control

Submit the following items: wastewater runoff prevention plans; and, plans on expected volumes, peak rates, characteristics and other pertinent information concerning stormwater runoff and dry weather drainage from both construction and ultimate operation of project.

D. Spill Plan

Prepare and submit a technical report on prevention and contingency measures. Report must identify hazards and magnitude of risk associated with materials involved in the project, include proposals for controlling accidental discharges (such as beams around tanks sized to contain all materials within the beams and other containment or diversionary structures or equipment to prevent materials from reaching waters) and proposals and procedures for minimizing effects of such events (i.e., cleanup procedures, personnel to be contacted, specialists to be brought to the site, etc.). The report should include a "worst case" analysis to permit assessment of the environmental hazards associated with the project.

IV. Mining Operations

For mining operations, describe reclamation or rehabilitation program for project area after closure.